

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A bandpass filter for contrast and color enhancement of a video monitor comprising a dye having substantially the absorbance spectrum as shown in FIG. 1, a dye having substantially the absorbance spectrum as shown in FIG. 2, Rhodamine 101, IRA 850, and Luxol Fast Blue MBSN, uniformly incorporated in a polymer matrix.

2. (Original) The filter of claim 1 comprising about 0.40-0.60 weight % of the dye having the absorbance spectrum of FIG. 1, about 0.20-0.35 weight % of the dye having the absorbance spectrum of FIG. 2, about 0.05-0.25 weight % Rhodamine 101 and about 0.10-1.5 weight % of Luxol Fast Blue MBSN based on the weight of the polymer matrix.

3. (Original) The filter of claim 1, wherein the polymer matrix is composed of polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.

4. (Original) The filter of claim 1 wherein the polymer matrix is polyvinyl acetate.

5. (Original) The filter of claim 2 wherein the polymer matrix is polyvinyl acetate.

6. (Currently Amended) A color display device comprising: a face plate having an inner surface and an outer surface, the inner surface containing a phosphor layer; and a translucent filter on the outer surface of the face plate; the filter comprising a dye having substantially the absorbance spectrum as shown in FIG. 1, a dye having substantially the absorbance spectrum

as shown in FIG. 2, Rhodamine 101, IRA 850, and Luxol Fast Blue MBSN uniformly incorporated in a polymer matrix.

7. (Original) The color display device of claim 6, wherein the filter comprises about 0.40-0.60 wt % of the dye having the absorbance spectrum of FIG. 1, about 0.20-0.35 wt % of the dye having the absorbance spectrum of FIG. 2, about 0.05-0.25 wt % Rhodamine 101 and about 0.10-1.5 wt % of Luxol Fast Blue MBSN based on the weight of the polymer matrix.

8. (Original) color display device of claim 6, wherein the polymer matrix is composed of polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.

9. (Original) The color display device of claim 6 wherein the polymer matrix is polyvinyl acetate.

10. (Original) The color display device of claim 7 wherein the polymer matrix is polyvinyl acetate.

11. (Currently Amended) A bandpass filter for color enhancement of a video monitor comprising Fluorescein amine isomer 1, Phloxine B, ~~Sulfurodamine~~ Sulforhodamine 101, IRA 850, and Luxol Fast Blue MBSN uniformly incorporated in a polymer matrix.

12. (Currently Amended) The filter of claim 11, wherein Fluorescein amine isomer 1

comprises about 0.35% to about 0.60% by weight of the filter, Phloxine B comprises about 0.10% to about 0.20% by weight of the filter, ~~Sulfuredamine~~ Sulforhodamine 101 comprises about 0.20% to about 0.45% by weight of the filter, Luxol Fast Blue MBSN comprises about 0.50% to about 1.5% by weight of the polymer matrix.

13. (Original) The filter of claim 11, further comprising Mordant Orange dye incorporated in the polymer matrix.

14. (Original) The filter of claim 12 further containing about 0.50% to about 1.0% by weight Mordent Orange 1.

15. (Original) The filter of claim 11, wherein the polymer matrix is composed of polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.

16. (Original) The filter of claim 13, wherein the polymer matrix is composed of polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.

17. (Currently Amended) A color display device comprising: a face plate having an inner surface and an outer surface, the inner surface containing a phosphor layer; and a translucent filter formed over the outer surface of the face plate; the filter comprising dyes Fluorescein amine isomer 1, Phloxine B, ~~Sulfuredamine~~ Sulforhodamine 101, IRA 850, and

Luxol Fast Blue MBSN uniformly incorporated in a polymer matrix.

18. (Currently Amended) The color display device of claim 17, wherein Fluorescein amine isomer 1 comprises about 0.35% to about 0.60% by weight of the polymer matrix; Phloxine B comprises about 0.10% to about 0.20% by weight of the polymer matrix; ~~Sulfurodamine~~ Sulforhodamine 101 comprises about 0.20% to about 0.45% by weight of the polymer matrix; and Luxol Fast Blue MBSN comprises about 0.50% to about 1.5% by weight of the polymer matrix.

19. (Original) The color display device of claim 17, wherein the polymer matrix of the filter further comprises Mordant orange 1 dye.

20. (Original) The color display device of claim 18, further comprising from about 0.5% to about 1.0% Mordent Orange 1.

21. (Original) The color display device of claim 17, wherein the polymer matrix comprises polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.

22. (Original) The color display device of claim 19, wherein the polymer matrix comprises polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.

23. (Original) The color display device of claim 6 comprising a plasma display device.

24. (Original) The color display device of claim 17 comprising a plasma display device.

25. (Currently Amended) A dye solution comprising a solvent and the dye comprising a dye having substantially the absorbance spectrum as shown in FIG. 1, a dye having substantially the absorbance spectrum as shown in FIG. 2, Rhodamine 101, IRA 850, Luxol Fast Blue MBSN or mixtures thereof.

26. (Original) The dye solution of claim 25, wherein the solvent comprises water, or an organic solvent or mixtures thereof.

27. (Original) The dye solution of claim 26, wherein the organic solvent comprises isopropyl alcohol, methyl alcohol or mixtures thereof.

28. (Original) The dye solution of claim 25, further comprising a polymer.

29. (Original) The dye solution of claim 28, wherein the polymer comprises a polyvinyl acetate, polyvinyl alcohol, vinyl polymers, polyacrylates, polyurethane, polyamide, polyester, polyether, polyketone, or polyesteramide.